Tiny and Tough.

Uniquely compact and extremely robust housing designed for the toughest industrial environments.

Inductive Metal Face Sensor
Surface Mount Pile Driver Series



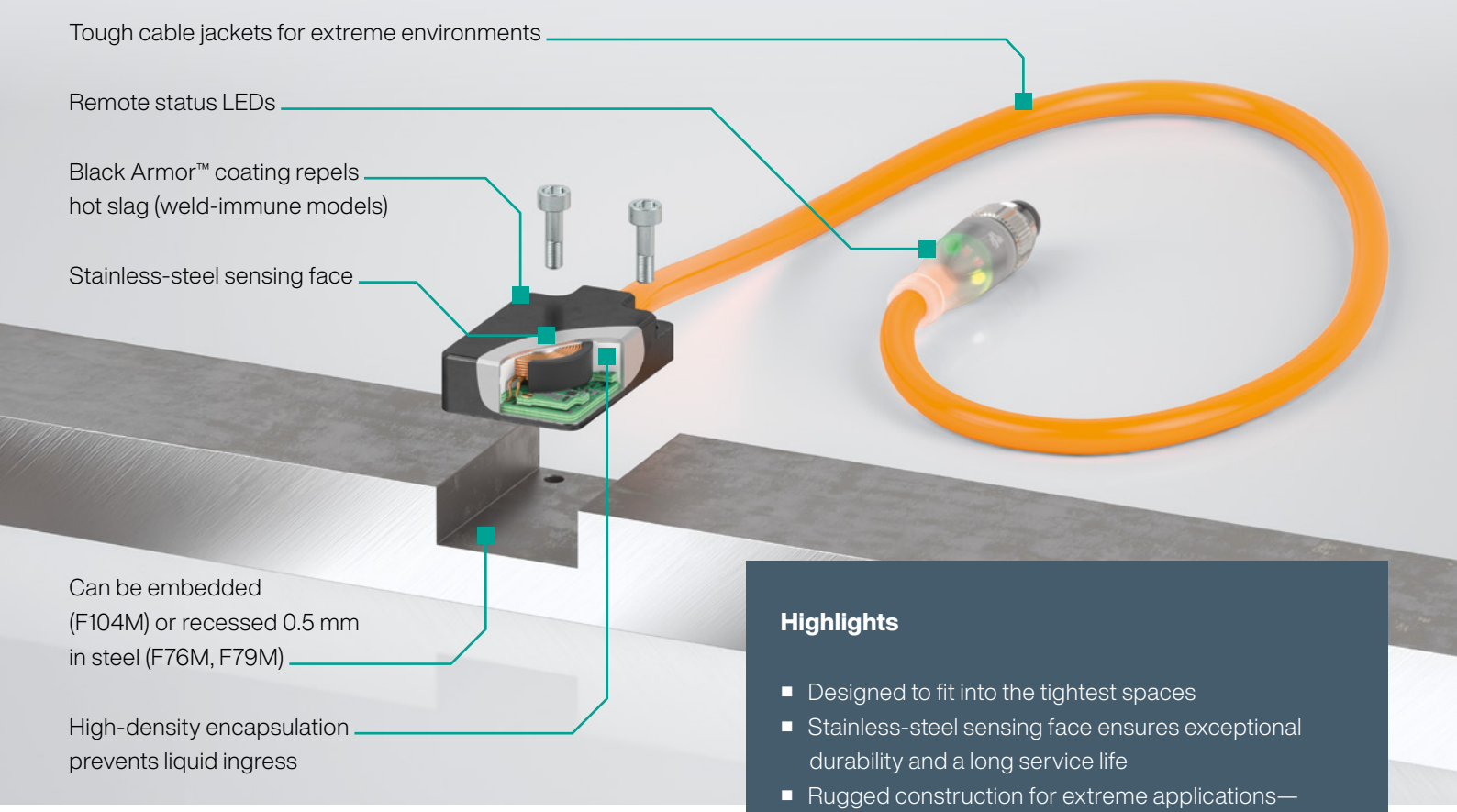


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Pile Driver Series

Maximum Durability and Compact Design



Highlights

- Designed to fit into the tightest spaces
- Stainless-steel sensing face ensures exceptional durability and a long service life
- Rugged construction for extreme applications—available with burn-proof POC cable for welding and PUR cable for stamping
- Weld-immune variants specifically engineered to withstand exposure up to 100 °C (212 °F)



Due to their short sensing ranges, inductive sensors are installed in close proximity to the target and are often exposed to harsh operating conditions. Mechanical impact, abrasion, heat, and weld spatter can significantly reduce sensor life.

Pile Driver™ metal face sensors are specifically engineered for these demanding applications. Their rugged stainless-steel sensing face provides exceptional resistance to wear and damage, ensuring long-term reliability. The low-profile design enables installation in space-constrained tooling, dies, and fixtures where conventional cylindrical sensors cannot be used.

Oil-, abrasion-, and heat-resistant PUR and POC cable options further enhance durability, while integrated LEDs provide clear and immediate indication of the sensor status.

Cost Savings Though Durability

- Lower spare parts inventory
- Reduced maintenance and troubleshooting
- Increased production yields

For more information, visit
pepperl-fuchs.com/pf-pile-driver

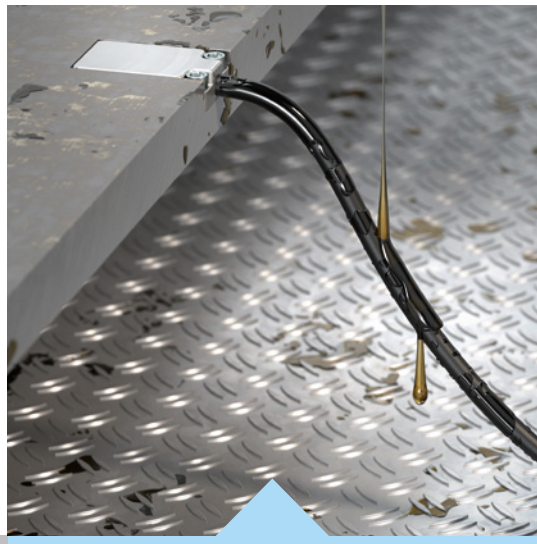
Pile Driver Series

Designed for Use in the Harshest Industrial Environments



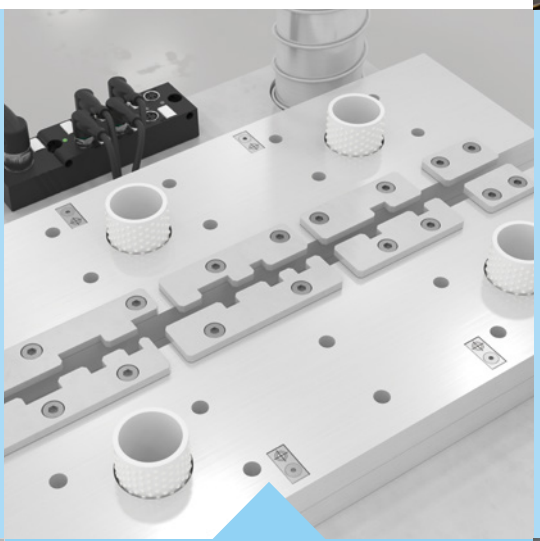
Technical Data	NMB6-F104M	NMB2-F76M	NMB2-F79M
Sensing range	6 mm	2 mm	2 mm
Performance in steel	Can be embedded	Can be flush-mounted or recessed up to 0.5 mm	Can be flush-mounted or recessed up to 0.5 mm
Dimensions (L × W × H)	32 × 20 × 8 mm	30 × 7.9 × 5.5 mm	17* × 8 × 4.7 mm
Standard and weld models	Yes		
Connection options	M8 and M12 pigtails		

* The weld-immune model is 20 mm long



Standard models feature a cut-resistant PUR jacket immune to cutting fluids and oils.

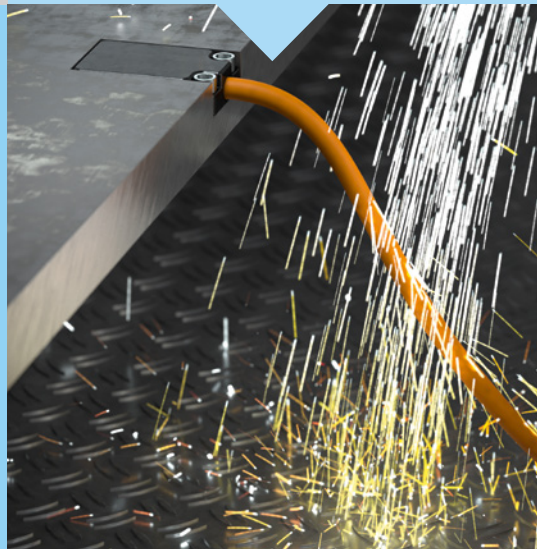
The Pile Driver F104M detects short feeds, overfeeds, and pulled slugs before the downstroke is complete, preventing die crashes. A repeat accuracy of ±0.0005" ensures precise part presence verification on grippers and transfer press fingers.



Weld-immune models feature a POC cable jacket impervious to molten metal spatter.



The F79M can be recessed in steel, minimizing sensor-object impacts. Combined with Pile Driver durability, recessed mounting maximizes machine uptime.



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- Hazardous Area Products and Solutions

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